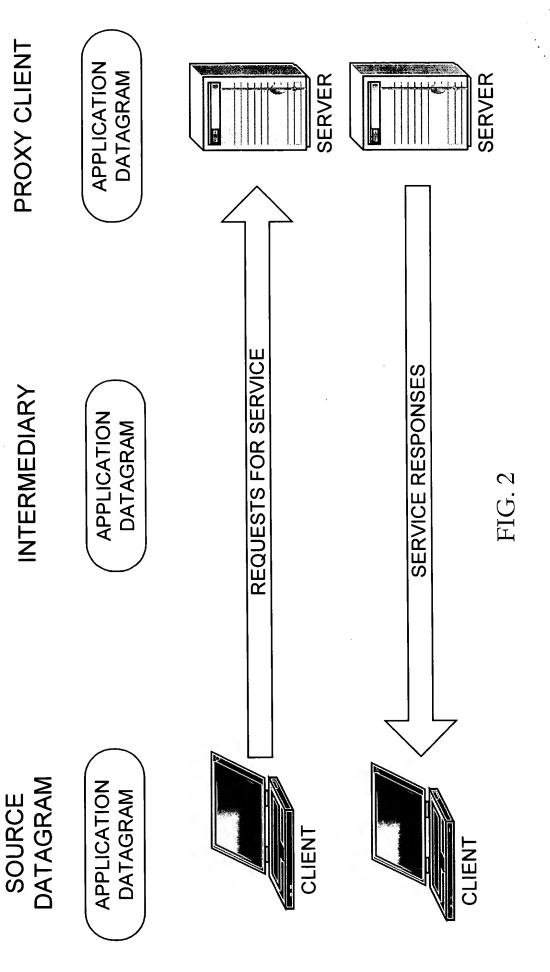
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SOURCE DATAGRAM

MODIFIED ROUTER INTERMEDIARY

PROXY CLIENT

NETWORK DATAGRAM

DATAGRAM NETWORK

VIRTUAL ADDRESS HEADER INTERMEDIARY

DATAGRAM

DATAGRAM **NETWORK**

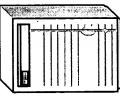
NETWORK DATAGRAM

PROXY CLIENT DATAGRAM

REQUESTS FOR SERVICE

SERVER

CLIENT



SERVER

SERVICE RESPONSES

FIG. 3

CLIENT

NETWORK COMMUNICATION AT **EMBODIMENT 2: NETWORK-TO-**(HTTP, SMTP, POP3, FTP ETC..) APPLICATION LAYER TRANSPORT LAYER **NETWORK LAYER NETWORK LAYER** (IP, ICMP, IGMP) (TCP, UDP) COMMUNICATION AT APPLICATION **EMBODIMENT 1: POINT-TO-POINT** (HTTP, SMTP, POP3, FTP ETC..) APPLICATION LAYER LAYER (HTTP, SMTP, POP3, FTP ETC..) (ETHERNET, SERIAL LINK) THE 4 NETWORK LAYERS APPLICATION LAYER TRANSPORT LAYER **NETWORK LAYER** (IP, ICMP, IGMP) **LINK LAYER** (TCP, UDP)

FIG. 4

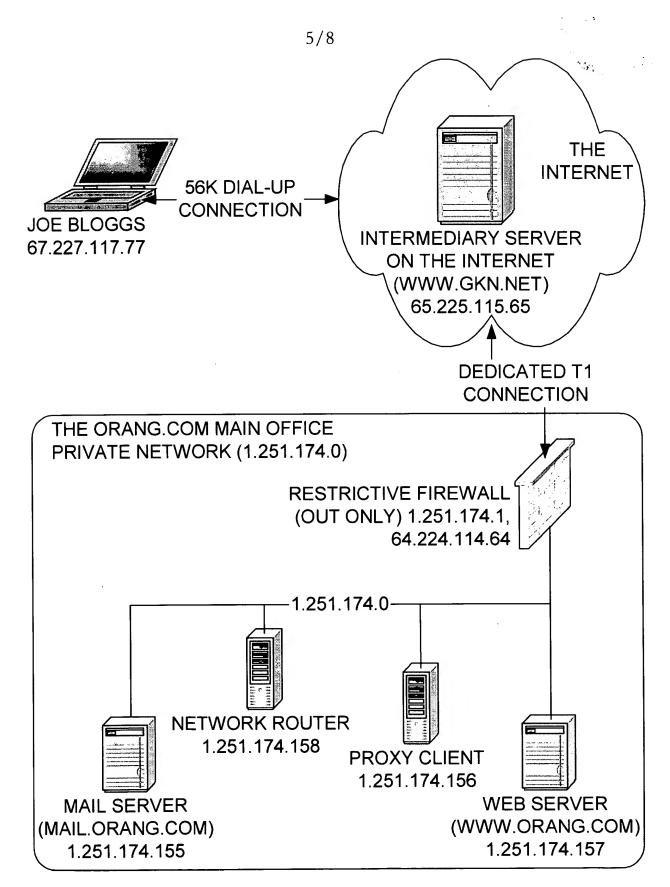
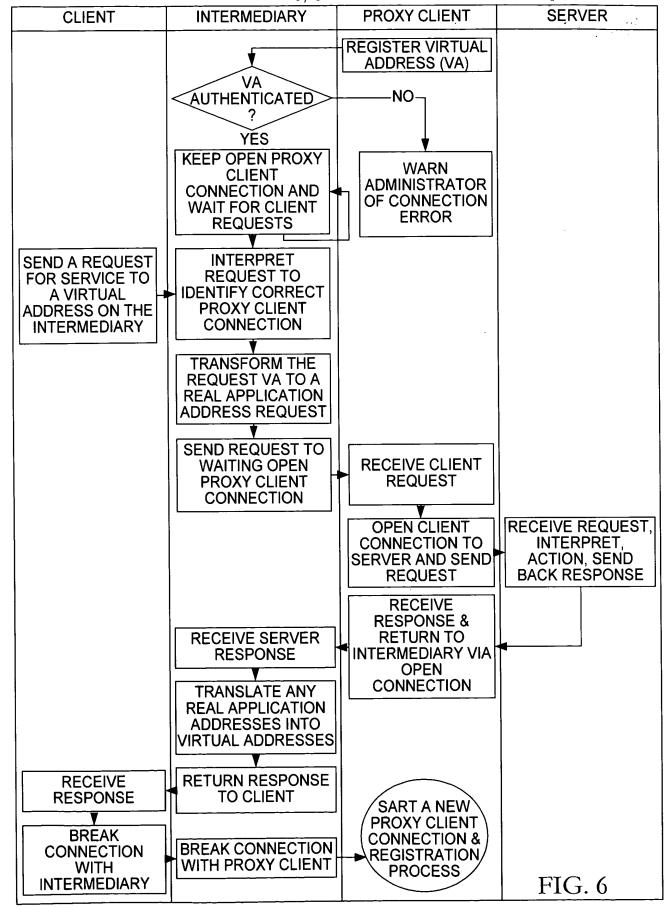


FIG. 5

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